General Purpose Two Stage Regulator
LM - Series

DESCRIPTION

The LM regulators are specifically designed as an economical instrument for use in non-critical applications involving inert and non-corrosive gas applications. The LM regulator should not be used in applications where inboard diffusion of atmospheric impurities water and oxygen or the out gassing of hydrocarbon based impurities will negatively impact the work being performed.

FEATURES

- Minimal internal Volume: .450 cubic inches
- Seat area protected by a 35 micron filter.
- Four delivery pressures available.
- Excellent pressure regulation - less than 2 psig variance from full to empty cylinder.
- All exterior surfaces chrome plated.

APPLICATIONS

The LM series regulators are ideally suited for use with inert, flammable, and hydrocarbon gases used in non-critical gas applications where a constant delivery pressure is required from full to empty cylinder.

MATERIALS OF CONSTRUCTION

Body:	Brass Barstock, Chrome Plated
Bonnet:	Zinc, Chrome Plated
Diaphragm:	Teflon coated Viton
Seat:	Kel-F
Seals:	
Filters:	35 Micron Sintered Bronze

SPECIFICATIONS

Max. Inlet Pressure:	3,000 psig
Operating Temperature Range:	-20°F to 120°F
Internal Volume:	.450 cubic inches
Leakage:	Bubble Tight
Flow Coefficient (C_V):	
Shipping Weight:	3.1 lbs.

Model Selection Guide

Example: LM150V580 = model LM with up to 150 psig delivery pressure, with an packed outlet valve and CGA 580 inlet connection

Specify:	Maximum Delivery Pressure		Outlet Port	CGA Inlet Connection
LM	**[***]**		**[*]**	**[***]**
	Delivery Pressure Range **015** = 0-15 psig **045** = 0-45 psig **100** = 0-100 psig **150** = 0-150 psig	**Delivery Pressure Gauge** 30" Hg - 0-30 or 0-30 Red Line 0 - 60 0 - 200 0 - 200	**0** - None (1/4" NPT female) **V** - Packed Valve	**000** - None (1/4" NPT female) **280** - Medical Breathing Mixtures **300** - Acetylene **320** - Carbon Dioxide **326** - Nitrous Oxide **346** - Zero Air, Compressed Air **350** - Hydrogen* **510** - Acetylene **540** - Oxygen **580** - Helium, Nitrogen, Argon **590** - Zero Air

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